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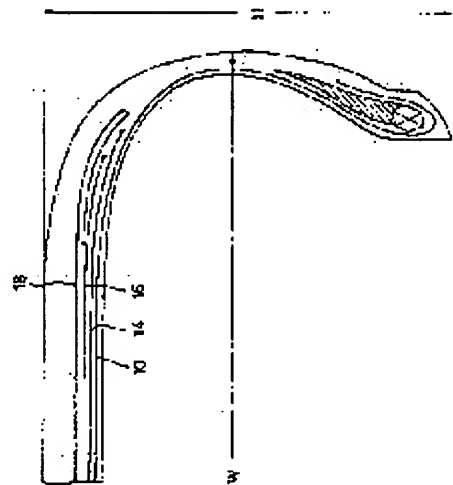
(21)Application number : 02-262631 (71)Applicant : TOYO TIRE & RUBBER CO LTD
 (22)Date of filing : 28.09.1990 (72)Inventor : INOUE TERUO

(54) RADIAL TIRE FOR PASSENGER CAR

(57)Abstract:

PURPOSE: To prevent cord breakage by setting a twist multiplier of a nylon cord before vulcanization within a specific range in a nylon cord layer to reinforce the steel belt, thereby providing the nylon cord layer with favorable modulus and stretching property.

CONSTITUTION: There are provided in a radial tire for a passenger car one layer of carcass 10, two layers of steel belts 14, 16, and a nylon cord layer 18 to reinforce these steel belts radially from the inner to the outer side. Each cord of the nylon cord layer 18 is provided at approximately zero degree relative to the circumferential direction of the tire. In this case, the twist multiplier of the nylon cord is set in the range of between 700 and 1200. A ratio H/W is set to be 0.65 or less where H is the tire height and W is the tire width. The winding diameter DG of the nylon cord layer 18 before vulcanization of a tire and the corresponding diameter DC after vulcanization are set so as to satisfy the relationship of $DC/DG < 1.05$.



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